

## EAST Search History

| Ref # | Hits    | Search Query  | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|---------|---|--|------------------|---------|------------------|
| S1    | 14      | ("4377972" "20040141763" "6719397" "6672695" "5159353" "5363134" "6568783").pn. | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2006/03/06 08:32 |
| S2    | 46      | trudy.in. near2 benjamin  | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2006/02/07 08:33 |
| S3    | 41      | axtell.in. near2 james  | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2006/02/07 08:34 |
| S4    | 21      | S2 not S3   | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2006/02/07 08:34 |
| S5    | 16      | S3 not S2   | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2006/02/07 08:34 |
| S6    | 2671    | 347/9 347/12 347/11   | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2006/02/07 08:38 |
| S7    | 61161   | (fire or firing or fired) with (cell\$1 or line\$1 or group \$1)                | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2006/02/07 09:05 |
| S8    | 8956357 | control or circuitry or circuit \$1   | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2006/02/07 08:40 |
| S9    | 72548   | address near2 (line\$1 or generator\$1)   | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2006/02/07 09:05 |

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|-----|-------|---|--|----|-----|------------------|
| S10 | 11969 | (fire or firing or fired) near2 (cell\$1 or line\$1 or group\$1)  | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/07 09:05 |
| S11 | 104   | S8 same S9 same S10   | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/07 10:30 |
| S12 | 2     | "6830301"   | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/07 11:06 |
| S13 | 2     | "20050231541"   | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/07 10:30 |
| S14 | 31343 | address adj generator adn S6  | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/07 10:36 |
| S15 | 40    | address adj generator and S6  | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/07 10:51 |
| S16 | 93    | address adj (generators or lines) and S6  | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/07 10:53 |
| S17 | 18    | address adj (generators or lines) same (fire or fired or firing) near2 (cell\$1 or bank \$1 or line\$1 or group\$1) and S6        | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/07 11:07 |
| S18 | 6     | ("6174037" "6450601" "20030002899").pn.   | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/07 11:07 |
| S19 | 42    | address adj (generators or lines) same (fire or fired or firing) near2 (cell\$1 or bank \$1 or line\$1 or group\$1) and "347"/\$3 | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/07 11:10 |

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| S20 | 81      | (address near2 (generator \$1 or line\$1 or signal\$1)) same (fire or fired or firing) near2 (cell\$1 or bank\$1 or line\$1 or group\$1) and "347"/\$3 | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/07 11:11 |
| S21 | 69329   | (trudy.in. or axtell.in. or torgerson.in. or miller.in.)   | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/22 14:34 |
| S22 | 377     | (trudy.in. or axtell.in.)  | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/22 14:35 |
| S23 | 58      | (trudy.in. or axtell.in.) and hewlett.as.  | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/22 14:36 |
| S24 | 377     | (trudy.in. or axtell.in.)  | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/22 14:38 |
| S25 | 138     | (trudy.in. near benjamin or axtell.in. near james or torgerson.in. near joseph)  | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/22 14:41 |
| S26 | 6287048 | (fire or fired or firing) with (cell) and address line\$1  | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/22 14:40 |
| S27 | 27704   | (fire or fired or firing) with (cell) and address line\$1 and "347"/\$3  | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/22 14:40 |
| S28 | 122     | (trudy.in. near benjamin or axtell.in. near james or torgerson.in. near joseph) and hewlett and packard  | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/22 14:43 |
| S29 | 3261    | 347/9 347/10 347/5<br>347/57   | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/03/06 08:40 |

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| S30 | 723 | S29 and (address)   | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2006/03/06<br>08:41 |
| S31 | 138 | S29 and (address same sequence)                               | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON  | 2006/03/06<br>08:41 |
| S32 | 86  | S29 and (address with sequence)                               | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON  | 2006/03/06<br>08:48 |
| S33 | 40  | S29 and (address with (group or sequence) with (signal))      | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON  | 2006/03/06<br>09:01 |
| S34 | 26  | ("1128324" "1172211" "1080898").pn.                           | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON  | 2006/03/06<br>09:03 |
| S35 | 1   | 2002-173097.NRAN.   | DERWENT  | AND | OFF | 2006/03/06<br>10:42 |
| S36 | 1   | 2001-301901.NRAN.   | DERWENT  | AND | OFF | 2006/03/06<br>09:02 |
| S37 | 9   | ("1128324" ).pn.  | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON  | 2006/03/06<br>10:29 |
| S38 | 8   | benjamin.in. and firing with cells and address near generator | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON  | 2006/03/06<br>10:30 |
| S39 | 2   | ("20020036781" "6318846" "20010048451").pn.                   | DERWENT  | OR  | OFF | 2006/03/06<br>10:45 |
| S40 | 5   | ("20020036781" "6318846" "20010048451").pn.                   | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2006/03/06<br>10:45 |
| S41 | 2   | "20020093551"   | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON  | 2006/03/07<br>11:43 |

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| S42 | 3267    | 347/9 347/10 347/5<br>347/57  | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/07<br>12:32 |
| S43 | 2324716 | S42 and control adj signal<br>with pulse wtih (response<br>or respond\$3) | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/03/07<br>12:34 |
| S44 | 12      | S42 and control adj signal<br>with pulse with (response<br>or respond\$3) | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/03/07<br>12:35 |
| S45 | 8       | "1172211".pn.   | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/03/07<br>12:36 |
| S46 | 15      | "1128324"   | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/03/07<br>12:42 |
| S47 | 3       | S42 and direction adj<br>circuit  | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/03/07<br>13:47 |
| S48 | 1       | "20050231541" and<br>direction adj circuit                                | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/03/07<br>12:43 |
| S49 | 31      | "347"/\$3 and direction adj<br>circuit                                    | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/03/07<br>12:44 |
| S50 | 2       | "20020093551"   | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/03/07<br>14:17 |
| S51 | 0       | ep-1128324  | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/03/07<br>13:48 |

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| S52 | 0  | ("ep-1128324").PN.                         | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/07<br>13:48 |
| S53 | 0  | ep-1128324.pn.                             | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/03/07<br>13:49 |
| S54 | 0  | ("ep-1128324.pn.").PN.                     | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/07<br>13:49 |
| S55 | 0  | "1128324" and logic.did.                   | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/03/07<br>13:49 |
| S56 | 25 | S42 and resistor\$1 with conduct           | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/03/07<br>14:18 |
| S57 | 1  | "6932453" and conduct\$3 and resistor\$1   | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/03/07<br>14:21 |
| S58 | 1  | "6932453" and conduct\$3 same resistor\$1  | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/03/07<br>14:23 |
| S59 | 1  | "6932453" and logic                        | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/03/07<br>14:24 |
| S60 | 2  | "20030081028"                              | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/03/07<br>14:25 |
| S61 | 1  | "20030081028" and resist\$3 and conduct\$3 | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/03/07<br>14:25 |

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| S62 | 1  | "20030081028" and resist \$3 same conduct\$3   | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/07 14:34 |
| S63 | 48 | S42 and logic with circuit with (first and second)   | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/07 14:37 |
| S64 | 1  | 10/827142  | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/10 11:44 |
| S65 | 18 | "679873"   | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/10 11:44 |
| S66 | 4  | "06079873"   | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/10 12:23 |
| S67 | 2  | "20030081028"  | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/10 12:23 |
| S68 | 1  | 10/878861  | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/29 09:11 |
| S69 | 9  | "1128324".pn.  | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/29 09:13 |
| S70 | 11 | "1128324".pn.<br>"20020093551"   | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/29 10:03 |
| S71 | 14 | ("5780190" "20030180647"<br>"20020022120" "6561635"<br>"6499839" "6402308"<br>"20010004425").pn. | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/29 10:04 |

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| S72 | 13    | ("1128324" "2003071028").pn.   | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/04 10:11 |
| S73 | 11    | ("1128324" "20030071028").pn.  | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/04 10:11 |
| S74 | 11    | ("1128324" "20030081028").pn.  | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/04 10:12 |
| S75 | 12606 | (address near generat\$3) and (resistors or resist\$3 or ((cells or elements) with (fir \$3 or print\$3 or eject\$3))) and (tim\$3 with (pulse\$1 or wave or signal\$3))   | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/04 10:14 |
| S76 | 382   | (address near generat\$3) and (resistors or resist\$3 or ((cells or elements) with (fir \$3 or print\$3 or eject\$3))) and (tim\$3 with (pulse\$1 or wave or signal\$3)) and "347"/\$3   | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/04 10:15 |
| S77 | 24    | (address near generat\$3) and (resistors or resist\$3 or ((cells or elements) with (fir \$3 or print\$3 or eject\$3))) and (tim\$3 with (pulse\$1 or wave or signal\$3)) and "347"/\$3 and (resist\$3 with conduct\$3)                         | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/04 10:38 |
| S78 | 1     | "20020186265".pn. and primitive same address   | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/04 10:25 |
| S79 | 1     | (address near generat\$3) and (resistors or resist\$3 or ((cells or elements) with (fir \$3 or print\$3 or eject\$3))) and (tim\$3 with (pulse\$1 or wave or signal\$3)) and "347"/\$3 and (resist\$3 with conduct\$3) and bank near circuitry | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/04 10:33 |

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| S80 | 21   | (address near generat\$3) and (resistors or resist\$3 or ((cells or elements) with (fir\$3 or print\$3 or eject\$3))) and (tim\$3 with (pulse\$1 or wave or signal\$3)) and "347"/\$3 and (resist\$3 with conduct\$3) and (address same (tim\$3))    | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2007/01/04 10:38 |
| S81 | 21   | (address near generat\$3) and (resistors or resist\$3 or ((cells or elements) with (fir\$3 or print\$3 or eject\$3))) and (tim\$3 with (pulse\$1 or wave or signal\$3)) and "347"/\$3 and (resist\$3 with conduct\$3) and (address\$3 same (tim\$3)) | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2007/01/04 11:13 |
| S82 | 49   | "347"/\$3 and ((address near generat\$3) near second)  | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2007/01/04 11:35 |
| S83 | 7    | "347"/\$3 and ((address near generat\$3) near second) not silverbrook  | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2007/01/04 11:36 |
| S84 | 10   | "347"/\$3 and ((address near generat\$3) near (two or second)) not silverbrook   | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2007/01/04 11:35 |
| S85 | 10   | "347"/\$3 and ((address near (generat\$3 or circuit \$3)) near (two or second)) not silverbrook  | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2007/01/04 11:44 |
| S86 | 8    | "347"/\$3 and ((address near (generat\$3 or circuit \$3)) near (two or second)) not silverbrook and (address\$3 same tim\$3)   | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2007/01/04 11:54 |
| S87 | 1    | "347"/\$3 and (bank near circuitry)  | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2007/01/04 11:53 |
| S88 | 1128 | (347/12,11).CCLS.  | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/01/04 11:55 |

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| S89 | 1687 | (347/12,11,58,57).CCLS.   | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2007/01/05<br>07:55 |
| S90 | 201  | S89 and (address same (tim\$3 or puls\$3))  | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2007/01/04<br>11:59 |
| S91 | 171  | S89 and (address same (tim\$3 or puls\$3)) not silverbrook  | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2007/01/04<br>12:00 |
| S92 | 122  | S89 and (address with (generat\$3 or select\$3 or control\$4) same (tim\$3 or puls\$3)) not silverbrook             | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2007/01/04<br>12:02 |
| S93 | 111  | S89 and (address near4 (generat\$3 or select\$3 or driv\$3 or control\$4) same (tim\$3 or puls\$3)) not silverbrook | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2007/01/04<br>12:03 |
| S94 | 9    | "347"/\$3 and (address near (circuit\$4) same (tim\$3 or puls43) same signal\$3)                                    | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2007/01/04<br>12:28 |
| S95 | 25   | axtell.in. and address  | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2007/01/04<br>12:35 |
| S96 | 1    | 10/827142   | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2007/01/04<br>12:35 |
| S97 | 1687 | (347/12,11,58,57).CCLS.   | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2007/01/05<br>08:58 |
| S98 | 1687 | S97   | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2007/01/05<br>07:55 |

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| S99  | 1    | 10/827142  | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/05<br>07:57 |
| S100 | 3574 | 347/9 347/10 347/5<br>347/57   | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/01/05<br>08:00 |
| S101 | 48   | S100 and (address with<br>(group or sequence) same<br>(tim\$3) same (address<br>near4 (signal\$3 or puls\$3<br>or line)))  | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/05<br>08:00 |
| S102 | 64   | S97 and (address with<br>(group or sequence) same<br>(tim\$3) same (address<br>near4 (signal\$3 or puls\$3<br>or line)))   | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/05<br>08:01 |
| S103 | 53   | S97 and (address with<br>(group or sequence) same<br>(tim\$3) same (address<br>near4 (signal\$3 or puls\$3<br>or line))) not silverbrook   | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/05<br>08:03 |
| S104 | 27   | (US-20040046854-\$).did.<br>or (US-5255013-\$ or US-<br>5200765-\$ or US-4706130-\$<br>or US-5457488-\$ or US-<br>4835549-\$ or US-5515097-\$<br>or US-5668587-\$ or US-<br>5990920-\$ or US-6215511-\$<br>or US-6608642-\$ or US-<br>5828386-\$ or US-5539525-\$).did.<br>or (EP-1134084-\$).did. | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/05<br>08:03 |
| S105 | 10   | S104 and (address)\  | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/05<br>08:10 |
| S106 | 3    | S104 and (address) and<br>(cyan or yellow or<br>magenta)   | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/05<br>08:58 |
| S107 | 164  | S97 and (address) and<br>(cyan or yellow or<br>magenta)  | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/05<br>09:01 |

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| S112 | 0   | cleland.in. and (address near generat\$4)   | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/05 09:05 |
| S113 | 41  | (address near generat\$4) same (cyan and magenta and yellow) and "347"/\$3  | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/05 09:51 |
| S114 | 6   | (address near generat\$4) same (cyan and magenta and yellow) and "347"/\$3 and (address near generat\$4) same (tim\$3 or puls\$3 with (signal\$3) | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/05 09:07 |
| S115 | 4   | "347"/\$3 and (second near logic) and (second near shift near register)   | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/05 09:53 |
| S116 | 24  | "347"/\$3 and (second near logic) and (shift near register)   | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/05 09:54 |
| S117 | 175 | "347"/\$3 and (logic near circuit\$4) near4 (print \$1head or head)   | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/05 10:01 |
| S118 | 4   | "347"/\$3 and (logic near circuit\$4) with (yellow and magenta and cyan)  | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/05 10:10 |
| S119 | 0   | "347"/\$3 and (logic near circuit\$4) with (yellow and magenta and cyan) and (yellow or magenta or cyan) same resist\$3                           | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/05 10:12 |
| S120 | 0   | "347"/\$3 and (logic near circuit\$4) with (yellow and magenta and cyan) and (yellow or magenta or cyan) same (resist\$3 or heat\$3)              | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/05 10:13 |
| S121 | 4   | "347"/\$3 and (logic near circuit\$4) with (yellow and magenta and cyan) and ((yellow or magenta or cyan) or chip) same (resist\$3 or heat\$3)    | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/05 11:33 |

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| S122 | 1   | 10/532389  | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/05<br>11:34 |
| S123 | 2   | "20020097287"  | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/05/24<br>09:55 |
| S124 | 627 | "347"/\$3 and (address near generat\$3)  | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/05/24<br>09:56 |
| S125 | 455 | "347"/\$3 and (address near generat\$3) same (time or timing)  | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/05/24<br>09:58 |
| S126 | 147 | "347"/\$3 and (address near generat\$3) same (time or timing) not silverbrook  | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/05/24<br>10:38 |
| S127 | 85  | "347"/\$3 and (address near generat\$3) same (time or timing) same (circuit\$3 or line or wire or wiring or bank) not silverbrook  | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/05/24<br>13:00 |
| S128 | 33  | ("347"/\$3 and (address near generat\$3) same (time or timing) same (circuit\$3 or line or wire or wiring or bank)) and ((cartridge or head or print \$1head or (drop\$4 near generat\$3)) with address) not silverbrook | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/05/24<br>13:32 |
| S129 | 27  | ("347"/\$3 and (address near generat\$3) same (time or timing) same (circuit\$3 or line or wire or wiring or bank) same (cartridge or head or print \$1head or (drop\$4 near generat\$3))) not silverbrook               | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/05/24<br>13:51 |
| S130 | 1   | "347"/\$3 and (address near generat) with (logic)  | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/05/24<br>13:52 |

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| S131 | 0   | "347"/\$3 and (address near generat) with (circuitry with bank)                | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/24 13:53 |
| S132 | 0   | "347"/\$3 and (address near generat) with (circuit\$3)                         | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/24 13:59 |
| S133 | 147 | "347"/\$3 and (address near generat\$3) with (circuit\$3)                      | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/24 13:59 |
| S134 | 181 | "347"/\$3 and (address near generat\$3) with (logic)                           | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/24 13:59 |
| S135 | 1   | "347"/\$3 and (address near generat\$3) with (circuit\$3 with bank)            | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/24 13:59 |
| S136 | 2   | "6290333".pn.  | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/12 10:28 |
| S137 | 4   | ("7029084" "6290333").pn.  | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/02 12:15 |
| S138 | 3   | ("7029084")  | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/02 12:15 |
| S139 | 5   | ("7029084" "6290333" "6659581").pn.  | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/02 12:43 |
| S140 | 4   | ("7029084" "6290333" "6659581").pn. and (eject \$4 or print\$3) with (puls\$3) | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/02 12:45 |

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| S141 | 1       | 10/827142  | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON  | 2007/07/02<br>12:44 |
| S142 | 1141247 | 10/827142 shift  | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON  | 2007/07/02<br>12:44 |
| S143 | 1       | 10/827142 and shift  | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON  | 2007/07/02<br>12:44 |
| S144 | 1       | ("7029084" "6290333"<br>"6659581").pn. and<br>(register\$3 with output\$4) | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON  | 2007/07/02<br>12:46 |
| S145 | 3       | ("7029084" "6290333"<br>"6659581").pn. and<br>(register\$3)                | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON  | 2007/07/02<br>13:08 |
| S146 | 3       | ("7029084" "6290333"<br>"6659581").pn. and (logic)                         | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON  | 2007/07/02<br>12:49 |
| S147 | 1       | ("7029084" "6290333"<br>"6659581").pn. and<br>(direction)                  | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON  | 2007/07/02<br>12:49 |
| S148 | 3       | ("7029084" "6290333"<br>"6659581").pn. and (logic)                         | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON  | 2007/07/02<br>13:24 |
| S149 | 2       | "20020113832"  | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON  | 2007/07/02<br>14:12 |
| S150 | 2       | "20020097287"  | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2007/07/06<br>12:54 |

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| S151 | 4   | "6659581".pn. or<br>"6290333".pn.  | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/12/06<br>08:51 |
| S152 | 723 | "347"/\$3 and (address<br>same bus same generat\$3)  | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/12/06<br>08:52 |
| S153 | 219 | "347"/\$3 and (address with<br>bus with generat\$3)  | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/12/06<br>08:56 |
| S154 | 88  | "347"/\$3 and (address with<br>bus with generat\$3) not<br>silverbrook                                     | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/12/06<br>09:03 |
| S155 | 52  | "347"/\$3 and (address near<br>(bus and generat\$3)) not<br>silverbrook                                    | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/12/06<br>09:25 |
| S156 | 2   | "6659581".pn. and generat<br>\$3   | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/12/06<br>09:25 |
| S157 | 1   | "6659581".pn. and generat<br>\$3 with address  | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/12/06<br>09:25 |
| S158 | 82  | "347"/\$3 and (address adj<br>generat\$3) and (puls\$3<br>with tim\$3 with address\$3)                     | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/12/06<br>09:27 |
| S159 | 18  | "347"/\$3 and (address adj<br>generat\$3) same (puls\$3<br>with tim\$3 with address\$3)                    | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/12/06<br>09:27 |
| S160 | 17  | "347"/\$3 and (address adj<br>generat\$3) same (puls\$3<br>with tim\$3 with address\$3)<br>not silverbrook | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/12/06<br>09:39 |

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| S161 | 1    | "20050007407".pn. and "44" same (tim\$3 or puls\$3)   | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/12/06 09:40 |
| S162 | 1371 | "347"/\$3 and (address near (signal\$3 or count\$3 or generat\$3))  | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/12/18 08:41 |
| S163 | 1006 | "347"/\$3 and (address near (signal\$3 or count\$3 or generat\$3)) not silverbrook  | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/12/18 09:33 |
| S164 | 51   | "347"/\$3 and (address near (signaling or count\$3 or generat\$3)) near4 (two or second) not silverbrook  | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/12/18 09:43 |
| S165 | 2    | "6659581".pn.   | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/12/18 09:43 |
| S166 | 2    | "6659581".pn. and resist\$3   | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/01/12 13:51 |
| S167 | 20   | "347"/\$3 and (address near (signal\$3 or count\$3 or generat\$3)).clm. same (vary\$3 or different or chang\$3 or unique).clm. with (signal\$3 or puls\$3). clm.  | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/30 12:30 |
| S168 | 4    | "347"/\$3 and (address near (signal\$3 or count\$3 or generat\$3)).clm. same (vary\$3 or different or chang\$3 or unique).clm. with (signal\$3 or puls\$3). clm. and (two or second). clm. with (address near (generat\$3 or count\$3)). clm. | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/30 12:33 |

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| S169 | 4 | "347"/\$3 and (address near<br>(signal\$3 or count\$3 or<br>generat\$3)).clm. same<br>(vary\$3 or different or<br>chang\$3 or unique).clm.<br>with (signal\$3 or puls\$3).<br>clm. and (two or second or<br>another).clm. with (address<br>near (generat\$3 or count<br>\$3)).clm. | US_PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/05/30<br>12:33 |
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